

00862.022442



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Akihiro KUSHIDA, et al.)
Appln. No.: 09/993,570)
Filed: November 27, 2001)
For: SPEECH RECOGNITION SYSTEM,)
SPEECH RECOGNITION SERVER,)
SPEECH RECOGNITION CLIENT,)
THEIR CONTROL METHOD, AND)
COMPUTER READABLE MEMORY)

: Examiner: Doris H. To
: Group Art Unit: 2655
: June 14, 2004

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Technology Center 2600

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, Applicants direct the Examiner's attention to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed. English-language abstracts for several of the foreign documents are enclosed, as indicated on the Form PTO-1449; Applicants have also listed on the Form PTO-1449, and enclose copies of, English-language counterparts, where such were readily available.

Applicants respectfully submit the following remarks.

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JPA 2000-206983 discloses an interpretation information communication system having a portable terminal and an interpretation server. The interpretation server receives and interprets speech signals from the portable terminal and returns the interpretation result to the portable terminal.

Specifically, the portable terminal transmits the using language information to the interpretation server. The interpretation server interprets the speech signal using a language recognition dictionary corresponding to the language information, a machine translation dictionary, and language data for speech-synthesis.

The document merely discloses transmitting the using language information to the interpretation server to preform an interpretation process corresponding to the using language information. In contrast, according to the claimed invention, a user dictionary is transmitted to a server to execute speech recognition using the user dictionary.

JPA 11-308270 discloses transmitting user specifying information and speech from a client to a server. The server stores dedicated user dictionaries, each of which corresponds to the user specifying information; selects a dedicated user dictionary corresponding to the received user specifying information; and performs speech-synthesis using the selected dedicated user dictionary.

According to JPA '270, user specifying information is transmitted, rather than a user dictionary, as in the claimed invention. In JPA '270, speech-synthesis cannot be performed if the server does not have a dedicated user dictionary corresponding to the received user specifying information.

JPA 8-272789 discloses inputting information to an input field, and converting the input information using convert process mode information corresponding to the input field. JPA '789 is silent as to a user dictionary of the claimed invention.

JPA 7-140998 corresponds to U.S. Patent No. 5,632,002.

JPA 2000-075887 discloses that a client stores a small size dictionary and that a server stores a large size dictionary. First, the client performs recognition using the small size dictionary, and if the recognition result is improper, then the server performs recognition using the large size dictionary. Even if the small size dictionary were to be considered similar to a user dictionary of the claimed invention, JPA '887 does not teach or suggest transmitting the dictionary from the client to the server.

KRA 1999-77872 corresponds to U.S. Patent No. 6,195,641.

KRA 1999-9682 discloses a client and a server.

The client includes the following: a speaker data transmission unit having a microphone and an AD converter; and an inspection result receiving unit for receiving an inspection result where a server inspects the transmitted speaker data.

The server includes the following: a client speech information database for receiving the speaker data from the client, and storing client speech data information acquired by speech feature extraction and speech learning processes; a speech extraction unit for receiving the speaker data from the client and extracting speech feature of the speaker data; a speech recognition algorithm unit for receiving the extracted speech feature data and performing speech recognition; a speaker determination unit for determining a speaker by comparing the recognized

speech data with the client speech information database; and a result transmission unit for transmitting a determination result determined by the speaker determination unit to the client.

The server of KRA '682 has a speech recognition function. However, the server does not utilize a user dictionary in the speech recognition. Further, KRA '682 is silent as to an input form of the claimed invention.

FORMAL MATTERS

In accordance with 37 C.F.R. § 1.97(b), since a first Official Action has not yet been issued in this case, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is believed to be required. However, the Commissioner is hereby authorized to charge any fee which may be required in connection with this paper to Deposit Account No. 06-1205. A duplicate of this paper is enclosed.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned, indicating that such information has been considered.

Applicants' undersigned attorney may be reached in Washington, D.C. by telephone at (202) 530-1010. All correspondence should continue to be directed to the address given below.

Respectfully submitted,



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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)Date Submitted to PTO: **June 14, 2004**ATTY DOCKET NO.
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09/993,570

APPLICANT

Akihiro KUSHIDA, et al.FILING DATE
November 27, 2001GROUP
Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,632,002	05/20/1997	Hashimoto et al.	395	2.4	
	6,195,641	02/27/2001	Loring et al.	704	275	

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JPA 7-140998	06/02/1995	Japan			Abstract and U.S. Counterpart
	JPA 8-272789	10/18/1996	Japan			Abstract
	KRA 1999-009682	02/05/1999	Korea			Partial
	KRA 1999-0077872	10/25/1999	Korea			U.S. Counterpart
	JPA 11-308270	11/05/1999	Japan			Abstract
	JPA 2000-075887	03/14/2000	Japan			Abstract
	JPA 2000-206983	07/28/2000	Japan			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

communication to applicant.

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